

In the Specification:

Please delete the heading at page 1, above line 1.

Please add a new heading at page 1, above line 1, as follows:

TITLE OF THE INVENTION

Please add a new heading at page 1, above line 3, as follows:

FIELD OF THE INVENTION

Please add a new heading at page 1, above line 6, as follows:

BACKGROUND INFORMATION

Please add a new heading at page 2, above line 4, as follows:

SUMMARY OF THE INVENTION

Please replace the paragraph at page 2, lines 4 to 10, with a replacement paragraph amended as follows:

It is thus the underlying object of the present invention to provide a pipe insulation of the above mentioned general type, which is suitable for use on pneumatic pipes for passenger transport aircraft in a corresponding lightweight and temperature resistant construction, and which is not costly or complicated to install, ~~and offers an economical and uncomplicated repair possibility for~~ but rather is economical and easy to install and to remove for repair of small damages on the titanium outer sheath.

4874/WFF:he

- 2 -

Please delete the paragraph at page 2, lines 11 to 12.

Please replace the paragraph at page 2, lines 13 to 22, with a replacement paragraph amended as follows:

~~In that regard, according to claim 1,~~ The above object has been achieved in an insulation arrangement according to the invention, whereby it is especially advantageous that such an insulation arrangement is easily producible in a pre-assembly, and an installation on the pneumatic pipeline system can be carried out quickly and in an uncomplicated manner. The lightweight and temperature resistant embodiment of the insulation arrangement enables the application in the pneumatic system of an aircraft. With the provided shell technology, the insulation can be separately disassembled and removed, and if necessary, damaged insulation parts can be exchanged in an economical and uncomplicated manner.

Please delete the paragraph at page 2, lines 23 to 24.

Please replace the paragraph at page 3, lines 1 to 3, with a replacement paragraph amended as follows:

The insulation arrangement according to ~~claims 2, 3 or 4~~ particular detailed embodiments using a full shell or a half shell, or using a Z-profile as the termination

4874/WFF:he

- 3 -

profile, respectively exhibits a simple possibility of realizing a shell technology in which the insulation material can be inserted.

Please replace the paragraph at page 3, lines 4 to 6, with a replacement paragraph amended as follows:

With the measures according to ~~claim 5 or 6~~, further embodiments using adhesive bonding or welding or a form-locking connection of the longitudinal seam, a preferred and secure possibility of the closing of the longitudinal seam is provided.

Please replace the paragraph at page 3, lines 7 to 9, with a replacement paragraph amended as follows:

The measure according to ~~claim 7~~ another embodiment using a profiled or patterned titanium foil is provided for achieving a lightweight construction, with which the strength of the outer sheath being used can be increased.

Please replace the paragraph at page 3, lines 10 to 12, with a replacement paragraph amended as follows:

Advantageous measures for ensuring a monitoring system against leaks in the pipeline system are ~~identified in the claims 8 and 9~~. given by embodiments including outlet holes in the outer sheath, warning wires arranged above the holes, and an anti-rotation securement of the shell.

Please **replace** the paragraph at **page 3, lines 13 to 16**, with a replacement paragraph amended as follows:

Especially in connection with long or curved pipe sections, the insertion of strengthening or stiffening elements according to ~~the claim 10~~ another embodiment is advantageous, in order to achieve a sufficient stability of the insulation arrangement.

Please **add** a new heading at **page 3, above line 19**, as follows:

BRIEF DESCRIPTION OF THE DRAWINGS

Please **add** a new heading at **page 5, above line 1**, as follows:

DETAILED DESCRIPTION OF EXAMPLE EMBODIMENTS OF THE INVENTION

Please **replace** the paragraph at **page 8, lines 1 to 13**, with a replacement paragraph amended as follows:

In order to guarantee the functionality of the monitoring system, it must be ensured that the warning wires 11 are respectively positioned directly above the outlet holes 5. For that it can be necessary to provide an anti-rotation securement 8 between the pneumatic pipe ~~[[5]]~~ 2 and the shell 9, because otherwise the insulation arrangement 1 can be freely moved on the pipe 2. In the detail illustration of Fig. 3, it is shown that such a connection is realized by means of a fillet joint seam 81 of a temperature resistant adhesive or a paste between the Z-profile 7 in the end region 32 or 33 of a titanium sheath 3 and the pipe 2. The fillet joint seams 81 can be approximately 50 mm

4874/WFF:he

- 5 -

long and can be placed at several locations of the circumference between the Z-profile 7 and the pipe 2.

Please **replace** the paragraph at **page 8 line 25 to page 9 line 8**, with a replacement paragraph amended as follows:

Embodiments of stiffening elements ~~[[12]]~~ are shown in Fig. 7, which stiffening elements can be used for reinforcement or strengthening of the titanium outer sheath 3, especially in connection with longer pipe sections 21 or in curved pipe sections 22. Such stiffening elements can be embodied preferably as L-profiles 121 (see Fig. 7A), as U-profiles 122 (see Fig. 7B) or also as corrugations or beads 123 (see Fig. 7C). They are welded onto the inner side of the titanium sheath 3 or inserted into the foil 31. It is provided to use such stiffening elements ~~[[12]]~~ partially as needed.

**[RESPONSE CONTINUES ON NEXT PAGE]**